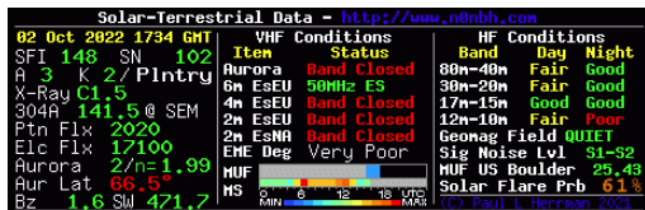




Monthly Newsletter  
October 19, 2022

❖ What's New ? - Solar Data

In response to suggestions submitted by our most fully engaged members we now have some Solar Data on the website. A solar data banner appears on the home page.



We hope that visitors will be drawn to the colorful image and say to themselves –

*“These CARC characters sure know how to attract a viewing audience. Let me bookmark this page so that I can easily find it when I have a powerful hankering for some up-to-date solar data.”*

The same view appears on the linked SOLAR page along with a glossary of Space Weather terms that are shown in the solar banner. You will also find tables describing the data values associated with various Space Weather events such as band openings, or the dreaded HF propagation blackouts.

❖❖❖❖ TABLE OF CONTENTS ❖❖❖❖	
Monthly Newsletter .....	1
Calendar Items .....	4
Meeting Agenda .....	6
Door Prize Ticket, Collectible Sticker.....	8
Milestones, General Announcements.....	9
Next Meeting Info .....	16

We have a lot of info on our THINGS TO-DO > CALENDAR VIEW website page. Here are a few highlights to pique your curiosity.

October 2022 (post publication date)	
• Jamboree On The Air	15 <sup>th</sup> -16 <sup>th</sup>
• New York QSO Party	15 <sup>th</sup>
• Illinois QSO Party	16 <sup>th</sup>
• ARRL School Club Roundup	17 <sup>th</sup> -21 <sup>st</sup>
• CQ WW SSB Contest	28 <sup>th</sup> -30 <sup>th</sup>

November 2022	
• ARRL Sweepstakes, CW	5 <sup>th</sup> -6 <sup>th</sup>
• SKCC Weekend Sprint-a-thon	12 <sup>th</sup> -13 <sup>th</sup>
• ARRL Sweepstakes, SSB	19 <sup>th</sup> -20 <sup>th</sup>
• CQ WW DX Contest CW	25 <sup>th</sup> -27 <sup>th</sup>

Check the dates. Some contests begin at 0000Z which is Saturday morning UTC, but late Friday night local time.

Editor's Note: The ARRL Sweepstakes is a great event for those who need to work and confirm a few states in order to achieve the coveted Worked All States Award.

It is almost certain that every ARRL Section and every RAC Section will be on-the-air at some point during the Sweepstakes.

If you are in need, learn how to use the spotting networks to your advantage. You have one month until the SSB weekend. Ask for help – ELMER@RadioClub-CARC.com

## ❖ General Class License Exam Training

Roland Anders, K3RA is offering a General Class License Exam via Zoom. The class consists of nine sessions. Each session begins at 6:30 p.m. and runs for three hours.

The first session begins Thursday evening October 27, 2022. The last session takes place Thursday evening January 5, 2023. There are three breaks in the schedule for holidays.

Register for the class by eMailing Rol at this address: roland.anders@comcast.net

He will reply to you with enrollment information.

## ❖ ARRL Sweepstakes Contest

Dates and Times:

SS CW	November 5-6
SS PHONE	November 19-20

Start: 2100 UTC	Saturday UTC
End: 0259 UTC	Monday UTC

Operate no more than 24 hours out of the 30 hour contest window. Any time off periods must be at least 30 minutes long. Otherwise, they do not count as time off. In other words, the 24 hour clock keeps ticking if you take a 5 minute bathroom break. The 24 hour clock stops ticking if you take a 60 minute dinner break.

Note: Daylight Saving Time ends Sunday morning November 6. This time change does not affect Coordinated Universal Time (UTC)

The ultimate goal of entering the ARRL Sweepstakes is to make a CLEAN SWEEP. That means working each and every one of the ARRL (USA) and RAC (Canada) Sections. There are 84 of them.

You can safely bet that every one of those sections will be on-the-air sometime during this weekend.

If you need some states to complete your Worked All States award you could probably find them on the air these weekends.

## SS Contest Exchange

The contest exchange contains elements that have similar names and appearance as found in a RadioGram header.

Number—Each QSO is assigned a sequential number beginning with 1.

Precedence—A letter code indicating the type of operation you are conducting. Most CARC Operations will be “A” which denotes a Single Operator, Low Power operation.

Call Sign—You do need to transmit your call sign in the contest exchange. Otherwise the contact is not valid.

Check—The last two digits of the year you were first licensed.

ARRL Section—Most CARC Operations will take place in the EPA (Eastern Pennsylvania) section.

You need to copy the exchange the other station sends to you and get his data into your log accurately. Likewise, you need to send your exchange to the other station and he/she needs to get your data into his/her log with accuracy.

The complexity of the exchange usually means that someone misses a piece of the data and needs to ask for a “fill”. This process works best when both sides of the QSO understand and use the same names I used above.

If you hear words like these – Say again your Number – the other guy wants you to repeat the number you transmitted to him. Don't repeat more than was requested.

## ❖ ARRL Logbook Of The World

After you perform all the hard work of making two-way radio contacts you are going to want confirmation of the contacts. Chances are, a fellow contester is going to upload his contest QSOs to the ARRL Logbook Of The World. Your chances of getting a Paper QSL card for a contest contact are somewhat small.

So, if you really, really, really need a particular state for the Worked All States Award then you should invest some of your time before the contest and get set up with a LOTW account.

There are six main steps in this process.

Perform these steps using a computer that you control. i.e. Don't use a public computer at the library.

There is a later step that must be performed on the same PC several days later. Select a PC to which you will have access at that time.

Visit the ARRL LOTW website at <https://lotw.arrl.org/lotw-help/getting-started/>

Familiarize yourself with the screen appearance and numbering. A screen print may be helpful if you check-off the steps you have completed.

You will return to this screen several times throughout the LOTW setup process. If you lose your place when executing a step you may be able to recover by returning to this screen and retrying that step.

Download and Install the Trusted QSL (TQSL) software on your PC. You can click the link next to the #1 step  
1. [Download and Install TQSL](#)

When you arrive at the desired page the headline will read *Installing or Upgrading TQSL*.

Read carefully as you go down the page. Look for this sentence and link.

Download latest version of TQSL for Windows [here](#)

Click on the word "here" to download.

Click on the downloaded file to begin the TQSL installation. The software installation instructions usually are self-explanatory.

When the TQSL software has been installed return to the LOTW home base screen:  
<https://lotw.arrl.org/lotw-help/getting-started/>

You will use the TQSL software to create and upload a certificate request to the ARRL LOTW department. Find this link on your PC screen and click.

2. [Request Your Initial Callsign Certificate and LoTW Account Password](#)

Perform Steps 1 through 4

Await arrival of a post card from the ARRL LOTW department. The wait time will be several days. Go do something else while you wait.

Resume the LOTW setup on this same page and perform Step 5 which looks like this:

5. If you are a US licensee, you will receive a post card in the mail

Return to the LOTW home base screen:  
<https://lotw.arrl.org/lotw-help/getting-started/>

Perform Step 3  
3. [Accept Your Initial Callsign Certificate](#)

Perform Step 4  
4. [Define Your Initial Station Location](#)

Perform Step 5  
5. [Log in to your LoTW Account](#)

The ARRL Instructions end with this note:  
Now you can [submit QSOs to LoTW!](#)

Visit that web page to learn how to prepare and upload your QSOs to LOTW.

❖ **General Interest and Calendar Items October 2022, and later**

Club Website Event Calendar	<a href="http://www.RadioClub-CARC.com/calendar/">www.RadioClub-CARC.com/calendar/</a> We have a pretty good Event Calendar plug-in on our website. If you are looking for events, this might be the right place. If you know of worthy events that should be listed in our Calendar please share the <i>Who, What, Where, and When</i> information with <a href="mailto:AF3I@RadioClub-CARC.com">AF3I@RadioClub-CARC.com</a>
Ham Radio License Exam Testing Part 1	Harrisburg Radio Amateur Club (HRAC) test dates are 3rd Saturdays, Even Numbered Months, starting at 9 a.m. <i>Location Change: Vietnam Veterans of America, 8000 Derry Street, Harrisburg, PA</i> <i>Laurel VEC = No Fee! Pre-Registration, including your FCC FRN, is required.</i>  HRAC VE Testing Dates appear on our EVENTS CALENDAR: Additional information at their web page: <a href="http://www.w3uu.org">www.w3uu.org</a> Look for the link: License Exams.
Ham Radio License Exam Testing Part 2	South Mountain Radio Amateurs (SMRA) conducts license testing at the Public Safety Center off Claremont Road, Carlisle, PA. Exam sessions are scheduled monthly at 6 p.m. on the third Tuesday of the month. Preregistration is required. Our readers are encouraged to perform their own due diligence to validate any exam session in which they have an interest. Contact: <a href="mailto:n3tw@arrl.net">n3tw@arrl.net</a> or <a href="mailto:smraham@gmail.com">smraham@gmail.com</a> There is a modest fee for this testing service. Additional details at their web page. <a href="http://n3tw.org/links/getting-licensed/smra-testing-policies/">http://n3tw.org/links/getting-licensed/smra-testing-policies/</a>
Ham Radio License Exam Testing	Look for LICENSE EXAM on our website THINGS-TO-DO Calendar View. We have entries for SMRA, Keystone VHF, Cross-Keys Village, HRAC
Ham Radio Training Class	If you know of any upcoming License Preparation Classes please let AF3I know so that they can be listed here. The ARRL website has a search tool. The classes I found were listed behind the keyword "online". <a href="http://www.arrl.org/find-an-amateur-radio-license-class">http://www.arrl.org/find-an-amateur-radio-license-class</a>
Ham Radio Lunch	The last Thursday of each month. Informal lunchtime gathering at the Hibachi Grill and Buffet. 5080 Jonestown Road -- Route 22, Harrisburg, PA Best guess – Noon. to 1:30 p.m.
CARC Weekly Coffee Time	Every Thursday at 10:00 a.m. Location: Caffe 101 in Boiling Springs, PA. On the corner, across from the clock-tower and diagonally across from the Boiling Springs Tavern.

If you have Calendar items that you would like to share with your fellow CARC Members please send them to the Newsletter Editor – Andrew Forsyth AF3I. He can be reached by eMail sent to: [AF3I@RadioClub-CARC.com](mailto:AF3I@RadioClub-CARC.com)

## ❖ Cumberland Amateur Radio Club Nets

<p>CARC Two Meter VHF Digital Net</p>	<p>Every Sunday evening at 6:00 p.m. local time. 146.490 MHz. Most likely we will be using OpMode Domino EX 22.</p> <p>If you have experience using Sound Card Digital Modes you will feel at home with this digital net. Mostly informal in terms of conversation topics.</p> <p>If you have not yet experienced the pleasure of using Sound Card Digital Modes you are invited to seek assistance. CARC Members have all kinds of skills tucked away in remote corners of their universe. Some of these members maintain a low profile. However, if you ask they will come out and share their experiences with you. You could send an eMail message to <a href="mailto:ELMER@RadioClub-CARC.com">ELMER@RadioClub-CARC.com</a> and one of us will crawl out of our den to help you.</p>
<p>CARC Two Meter Phone Net</p>	<p>Every Sunday at 7 p.m. local time. 2 meter band. 146.490 MHz FM Simplex. Also available through EchoLink Node 259045 or search for station AF3I-L. EchoLink is great for those who have no transceiver and/or no antenna, but who do have a PC and an Internet connection. EchoLink is equally great for anyone who resides or travels outside our local area and wishes to stay in touch. Visit <a href="http://www.echolink.org">www.echolink.org</a> as a starting point.</p>
<p>CARC Ten Meter Phone Net</p>	<p>Every Wednesday* at 8 p.m. local time. 10 meter band. 28.400 MHz USB *Except Monthly Meeting Night. on the third Wednesday of the month.</p>

## ❖ Answers to the Puzzles

Answer to the License Plate Puzzle that would have appeared on Page 2 or 3

**Due to space constraints there was no License Plate Puzzle this month.**

### **Words of Wisdom...**

I know of no single formula for success. But over the years I have observed that some attributes of leadership are universal and are often about finding ways of encouraging people to combine their efforts, their talents, their insights, their enthusiasm and their inspiration to work together.

**Queen Elizabeth II**

### **Words of Wisdom...**

It's been my experience that folks who have no vices have very few virtues.

**Abraham Lincoln**